

FLOOD LIGHT(MFD08)



DESCRIPTION

MFD08 lamp is a high energy efficiency and high performance LED lighting system with novel design, taking into account optical versatility and low profile appearance design, combining optical versatility and high energy efficiency. Its waterproof design also has excellent performance, can maintain a stable working state in a humid environment, to ensure the use of safety. The color temperature adjustment performance is better, and its fine adjustment color temperature adjustment function can easily achieve the lighting effect of different environments, providing a more comfortable lighting experience for various scenes. Suitable for parking lots, sidewalks, campuses, car dealerships, office buildings and internal roads and other environmental lighting.



SPECIFICATION FEATURES

Construction

- Housing, electrical compartment and fitter are all made from die case aluminum that is pre-treated and powder-coated to meet the most rugged industry standards.
- Door frame features an integral accessory channel for the mounting of optional light control accessories.
- Vented housing isolates LED module from driver, maximizing product life and performance
- Door frame seals to housing with a continuous extruded silicone gasket.

Optics

- Optics(NEMA Type): 7H*6V, 4Hx4V.
- Scalable Lumen Packages from 7,800 to 92,000 Lumens.
- Different environments can adjust different lumen output to obtain visual comfort.
- The high heat resistant polycarbonate optically adheres firmly to the internal radiator for maximum heat dissipation.

Electrical

- Universal 120-277VAC input voltage and the 600W optional for 200-480VAC.
- Both drivers have a power factor >90%, THD <20%
- 60W,100W, 200W and 350W model can be adjusted four watts:100%, 80%, 60%, 40%
- 600W can be adjusted four watts:300W,400W,500W,600W
- Operating Temperature Range: -40°C - + 40°C (-40°F - + 104°F)

LED Module

- Light engine has color adjustable version,CCT can be adjusted to 3000K/4000K/5000K
- 350W,600W only suitable for single CCT.

Control

- Photocell option.

Installation

- 1/2" NPS Knuckle, Slipfitter, Trunnion and Yoke are all available.

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year limited warranty.

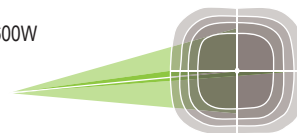
Certifications

- UL CUL wet location listed.

PHOTOMETRICS

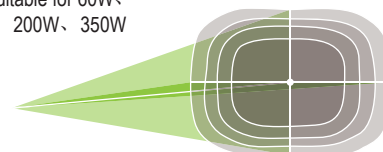
4HX4V

Only suitable for 600W



7HX6V

Only suitable for 60W、100W、200W、350W



ACCESSORIES

Photocell

USE: Photocell is field installed or pre-installed in factory by requesting



Aiming Sight

(Only suit for 600W)



Power and CCT controllet

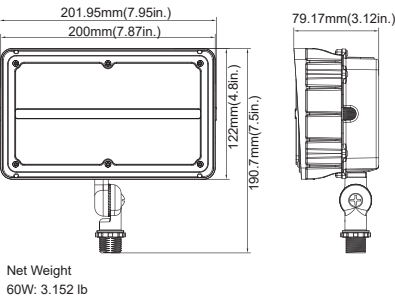


Wattage selectable:
100%,80%,60%,40%
CCT selectable:
3000K,4000K,5000K

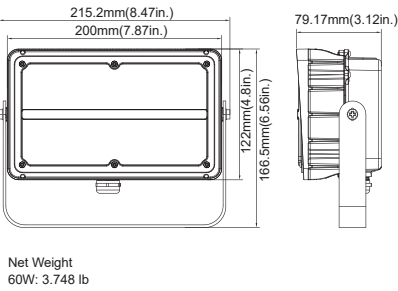
DIMENSIONS

unit: mm/inch

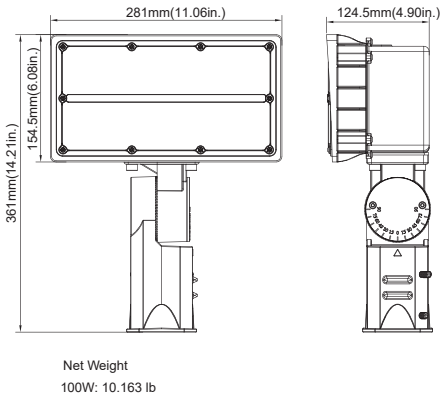
60W(Knuckle Mount)



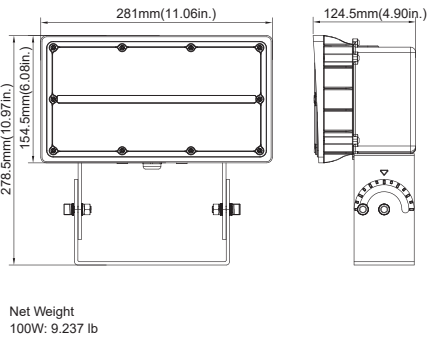
60W(Trunnion Mount)



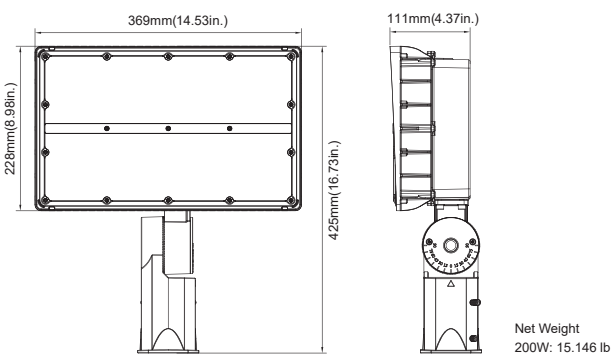
100W(Slipfitter Mount)



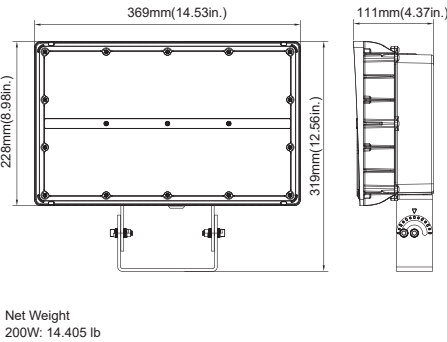
100W(Yoke Mount)



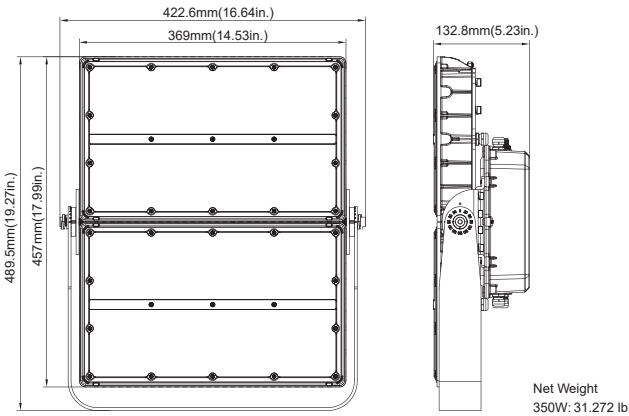
200W(Slipfitter Mount)



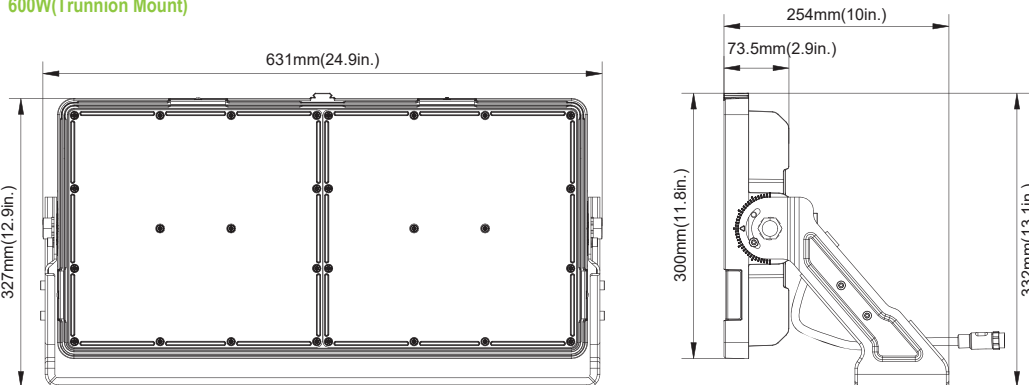
200W(Yoke Mount)



350W(Trunnion Mount)



600W(Trunnion Mount)



MFD08 60W							
SETTING	SYSTEM WATTS	3000K(CRI70)		4000K(CRI70)		5000K(CRI70)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	60W	7800lm	130 lm/W	8400lm	140 lm/W	8100lm	135 lm/W
80%	48W	6480lm	135 lm/W	7000lm	146 lm/W	6700lm	140 lm/W
60%	36W	5050lm	140 lm/W	5400lm	150 lm/W	5250lm	146 lm/W
40%	24W	3480lm	145 lm/W	3720lm	155 lm/W	3600lm	150 lm/W

MFD08 100W							
SETTING	SYSTEM WATTS	3000K(CRI70)		4000K(CRI70)		5000K(CRI70)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	100W	13000lm	130 lm/W	14000lm	140 lm/W	13500lm	135 lm/W
80%	80W	10800lm	135 lm/W	11600lm	146 lm/W	11200lm	140 lm/W
60%	60W	8400lm	140 lm/W	9000lm	150 lm/W	8700lm	145 lm/W
40%	40W	5800lm	145 lm/W	6200lm	155 lm/W	6000lm	150 lm/W

MFD08 200W							
SETTING	SYSTEM WATTS	3000K(CRI70)		4000K(CRI70)		5000K(CRI70)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	200W	26000lm	130 lm/W	28000lm	140 lm/W	27000lm	130 lm/W
80%	160W	20800lm	135 lm/W	23200lm	145 lm/W	22400lm	140 lm/W
60%	120W	16800lm	140 lm/W	18000lm	150 lm/W	17400lm	145 lm/W
40%	80W	11600lm	145 lm/W	12400lm	155 lm/W	12000lm	150 lm/W

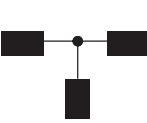
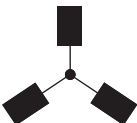
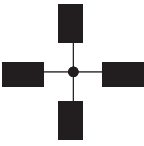
MFD08 350W(@single CCT)							
SETTING	SYSTEM WATTS	3000K(CRI70)		4000K(CRI70)		5000K(CRI70)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	350W	48000lm	137 lm/W	50000lm	143 lm/W	50000lm	143 lm/W
80%	280W	39760lm	142 lm/W	40600lm	145 lm/W	40600lm	145 lm/W
60%	210W	30870lm	147 lm/W	31500lm	150 lm/W	31500lm	150 lm/W
40%	140W	21280lm	152 lm/W	21700lm	155 lm/W	21700lm	155 lm/W

MFD08 600W(@single CCT)							
SETTING	SYSTEM WATTS	3000K(CRI70)		4000K(CRI70)		5000K(CRI70)	
		LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
LV1	600W	85000lm	142 lm/W	92000lm	153 lm/W	92000lm	153 lm/W
LV2	500W	73000lm	146 lm/W	79000lm	158 lm/W	79000lm	158 lm/W
LV3	400W	60000lm	150 lm/W	65000lm	163 lm/W	65000lm	163 lm/W
LV4	300W	46000lm	153 lm/W	50000lm	167 lm/W	50000lm	167 lm/W

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	900	60	120	0.50
		60	208	0.29
		60	240	0.25
		60	277	0.22
		60	347	0.29
		60	480	0.21
1	850	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	347	0.17
		100	480	0.13
		100	277	0.36
1	960	200	120	1.67
		200	208	0.96
		200	240	0.83
		200	277	0.72
		200	347	0.58
		200	480	0.42
1	1600	350	120	2.92
		350	208	1.68
		350	240	1.46
		350	277	1.26
		350	347	1.01
		350	480	0.73
1	1800	600	120	5.00
		600	208	2.88
		600	240	2.50
		600	277	2.17
		600	347	1.73
		600	480	1.25

EPA

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
100W	0.2885	0.6097	0.7475	0.577	0.8982	0.8196	0.8982
200W	0.3868	0.8125	0.9973	0.7736	1.1993	1.0874	1.1993
350W	0.536	1.061	1.278	1.072	1.597	1.803	1.597

POWER	EPA
600W	1.8202

MOUNTING

1/2"Knuckle Mount (60W)



Trunnion Mount (60W/350W/600W)



Yoke Mount(100W/200W)



Slipfitter Mount(100W/200W)



ORDERING GUIDE

MFD0860W27VDDKYYYYYYY

Fixture Type 	Power Consumption 	Voltage 	CCT 	Dimmable 	Finish 	Photocell (Option) 	Nema 	Mounting 	Internal Code 	Internal Code
MFD08	60W 60Watts 100W 100Watts 200W 200Watts 350W 350Watts 600W 600Watts	27V 120-277V 48V 347-480V 48V ^s 200-480V	30K 3000K 40K 4000K 50K 5000K DDK * Adjustable	D 0-10VDIM	D Dark Bronze B Black W White	P0 With Photocell Blank Without Photocell	B76 7Hx6V B44 4Hx4V	KN Knuckle Mount TR Trunnion Mount Sp Slipfitter Mount YK Yoke Mount	AD With Adjustment Dial	Blank Alphanumeric

Note :

1. 60W only suitable for knuckle and trunnion.
2. 100W,200W only suitable for slipfitter and yoke.
3. 350W,600W only suitable for trunnion.
4. CCT Adjustable (3000K/4000K/5000K).
5. 350W,600W only suitable for single CCT.
6. 200-480V only suit for 600W.

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